

	Type	L #	Hits	Search Text
1	BRS	L1	49	morse with vibrat\$3

	Type	L #	Hits	Search Text
1	BRS	L1	43	vibrat\$3 with (text adj message)
2	BRS	L2	2	vibrat\$3 same (text adj message) same impair\$2
3	BRS	L3	34	vibrat\$3 adj message

	DBs	Time Stamp	Comments	Error Definition
1	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/04 10:29		
2	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/04 10:30		
3	USPAT; US-PGPUB	2004/05/04 10:35		

DERWENT-ACC-NO: 2000-082262

DERWENT-WEEK: 200024

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**TITLE: Signal conversion apparatus for portable terminal,
telephone, used by deaf, blind people -
converts audio
signal to Morse or Braille code, as well as
Morse code or
Braille signal input from input key, to audio
signal**

PATENT-ASSIGNEE: NEC SHIZUOKA LTD[NIDE]

PRIORITY-DATA: 1998JP-0145107 (May 11, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
JP 11331407 A	November 30, 1999	N/A
007 H04M 011/00		
JP 3033734 B2	April 17, 2000	N/A
006 H04M 011/00		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
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APPL-DATE

JP 11331407A	N/A	1998JP-0145107
May 11, 1998		
JP 3033734B2	N/A	1998JP-0145107
May 11, 1998		
JP 3033734B2	Previous Publ.	JP 11331407
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**INT-CL (IPC): B41J003/32, G06F003/00 , G06F003/16 ,
G09B021/00 ,
H04M001/00 , H04M011/00**

ABSTRACTED-PUB-NO: JP 11331407A

BASIC-ABSTRACT:

NOVELTY - A converter converts the audio signal to Morse or Braille code signal which is output by LED (107) or vibrator. The Morse or Braille code signal input from input key is converted to audio signal by another converter and is then transmitted.

USE - For portable terminal, telephone used by deaf and blind person.

ADVANTAGE - Since the audio signal is converted to signal which deaf and blind person can recognize, it is more effective for deaf and

**blind persons to use
telephones and portable terminals. DESCRIPTION OF
DRAWING(S) - The figure
shows the diagram of the signal conversion apparatus.
(107) LED.**

CHOSEN-DRAWING: Dwg.1/3

**TITLE-TERMS: SIGNAL CONVERT APPARATUS PORTABLE
TERMINAL TELEPHONE DEAF BLIND
PEOPLE CONVERT AUDIO SIGNAL MORSE
BRAILLE CODE WELL MORSE CODE
BRAILLE SIGNAL INPUT INPUT KEY AUDIO
SIGNAL**

DERWENT-CLASS: P75 P85 T01 W01

EPI-CODES: T01-C; T01-C08; W01-C01; W01-C05;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2000-065525